2 Land show



RAW SEQUENCE LISTING

DATE: 07/10/2002

PATENT APPLICATION: US/09/679,664

TIME: 11:06:28

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        STORMANN, Thomas
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11 <140> CURRENT APPLICATION NUMBER: US 09/679,664
12 <141> CURRENT FILING DATE: 2000-10-03
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15 <151> PRIOR FILING DATE: 1998-04-03
17 <150> PRIOR APPLICATION NUMBER: PCT/US99/07333
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RAW SEQUENCE LISTING DATE: 07/10/2002 PATENT APPLICATION: US/09/679,664 TIME: 11:06:28

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	GIU	vaı	пе		ASII	ser	THE	Ald		Val	Ile	Val	Val		ser	ser
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	GIy	Pro		Leu	GIu	Pro	Leu		Lys	GIu	Ile	val		Arg	Asn	He
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		. 171			. Dha		1 ma				Clu	Car			Arco	Dho
			_	1111	PHE	e reu			HIS	GIU	GIU			ASP	AIG	Phe
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	<220															
	284 <221> NAME/KEY: misc_feature															
285	<223	3> OT	HER	INFO	RMAT	CION:	GAE	BA-be	etaR1	lb ex	ctrac	cellu	ılar	doma	in	
	<400		-													
290	Met	Gly	Pro	Gly	Ala	Pro	Phe	Ala	Arg	Val	Gly	${\tt Trp}$	Pro	Leu	Pro	Leu
291	1				5					10					15	

RAW SEQUENCE LISTING

DATE: 07/10/2002 TIME: 11:06:28 PATENT APPLICATION: US/09/679,664

Input Set : A:\Pto.amc

293 294	Leu	Val	Val	Met 20	Ala	Ala	Gly	Val	Ala 25	Pro	Val	Trp	Ala	Ser 30	His	Ser
	Pro	His	Leu 35		Arg	Pro	His	Ser 40	Arg	Val	Pro	Pro	His	Pro	Ser	Ser
	Glu	Arg 50		Ala	Val	Tyr	Ile 55		Ala	Leu	Phe	Pro 60		Ser	Gly	Gly
302	-		Gly	Gly	Gln			Gln	Pro	Ala			Met	Ala	Leu	
303		Val	λen	Sor	Δrα	70 Ara	Δen	Tle	I.e.u	Pro	75 Asn	Tur	Glu	Leu	Lvs	80 Leu
306					85					90					95	
309				100					105					Lys 110		
311 312	Tyr	Glu	Leu 115	Leu	Asn	Tyr	Asp	Pro 120	Ile	Lys	Ile	Ile	Leu 125	Met	Pro	Gly
314	Cys			Val	Ser	Thr		Val	Ala	Glu	Ala		Arg	Met	Trp	Asn
315	<b>.</b>	130	17 - 1	Ŧ	<b>3</b>	M	135	C	C	Con	Dwo	140	T 011	Com	) an	n mar
	Leu 145	11e	vaı	Leu	ser	150	GLY	ser	ser	ser	155	Ата	Leu	Ser	ASI	160
		Ara	Phe	Pro	Thr		Phe	Ara	Thr	His		Ser	Ala	Thr	Leu	
321	0111	***************************************	1 110	110	165			9		170					175	
323	Asn	Pro	Thr	Arg	Val	Lys	Leu	Phe	Glu	Lys	Trp	Gly	Trp	Lys	Lys	Ile
324				180					185					190		
	Ala	Thr		Gln	Gln	Thr	Thr		Val	Phe	Thr	Ser		Leu	Asp	Asp
327	_		195	_		_		200	<b>a</b> 1	~ 1	<b>a</b> 1	- 1	205	<b>D</b> 1		01.
	Leu		Glu	Arg	Val	Lys	G1u 215	Ala	GLY	He	Glu	220	Thr	Phe	Arg	GIN
330	Ser	210 Phe	Phe	Ser	Asn	Pro		Val	Pro	Va l	Lvs		Leu	Lys	Ara	Gln
	225	rne	rne	Der	пор	230	nia	, aı	110	, ar	235	11011	БСи	275	**** 9	240
		Ala	Arg	Ile	Ile		Gly	Leu	Phe	Tyr	Glu	Thr	Glu	Ala	Arg	Lys
336	_		_		245		_			250					255	
338	Val	Phe	Cys	Glu	Val	Tyr	Lys	Glu		Leu	Phe	Gly	Lys	Lys	Tyr	Val
339				260		_			265	_	_		_	270	_	
	Trp	Phe		Ile	Gly	Trp	Tyr	Ala 280	Asp	Asn	Trp	Phe	Lys 285	Ile	Tyr	Asp
342	Dro	Sor	275	λen	Cue	Thr	Va l		Glu	Met	Thr	Glu		Val	Glu	Glv
345	FIO	290	116	Lan	СУЗ	1111	295	пор	Q1u	ncc	1111	300	,, <u>r</u>	•	GIU	011
	His		Thr	Thr	Glu	Ile		Met	Leu	Asn	Pro		Asn	Thr	Arg	Ser
	305					310					315					320
350	Ile	Ser	Asn	Met	Thr	Ser	Gln	Glu	Phe	Val	$\operatorname{Glu}$	Lys	Leu	Thr	Lys	Arg
351															335	
	Leu	Lys	Arg		Pro	Glu	Glu	Thr		Gly	Phe	Gln	Glu	Ala	Pro	Leu
354	* 1		_	340	- 1	<b></b>	• 1 -	<b>.</b>	345	T	* 1 -	T	3	350	m b so	Com
356 357	ΑΙα	ryr	Asp 355	Ата	тте	rrp	AIG	ьеu 360	Ата	ьеп	HIG	ьeu	365	Lys	TIII	ser,
	Glv	Glv		Glv	Arσ	Ser	Glv		Ara	Leu	Glu	Asp		Asn	Tvr	Asn
360	0 + J	370	- T I	J-1	9	501	375	, 41	9			380			- 1 -	
	Asn		Thr	Ile	Thr	Asp	Gln	Ile	Tyr	Arg	Ala	Met	Asn	Ser	Ser	Ser
363	385					390					395					400
365	Phe	Glu	Gly	Val	Ser	Gly	His	Val	Val	Phe	Asp	Ala	Ser	Gly	Ser	Arg

RAW SEQUENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/09/679,664

DATE: 07/10/2002 TIME: 11:06:29

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07102002\1679664.raw

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:4; Xaa Pos. 13
Seq#:21; N Pos. 38
Seq#:40; N Pos. 3178,3179,3180,3181,3182,3183,3184,3185,3186,3187,3188,3189
Seq#:40; N Pos. 3190,3191,3192,3193,3194,3195,3196,3197,3198,3199,3200,3201
Seq#:40; N Pos. 3202,3203,3204,3205,3206,3207,3208,3209,3210,3211,3212,3213
Seq#:40; N Pos. 3214,3215,3216,3217,3218,3219,3220,3221,3222,3223,3224,3225
Seq#:40; N Pos. 3226,3227,3228,3229,3230,3231,3232,3233,3234,3235,3236,3237

Seq#:40; N Pos. 3238,3239,3240

Seq#:45; Xaa Pos. 464 Seq#:50; Xaa Pos. 379 VARIABLE LOCATION SUMMARY

PATENT APPLICATION: US/09/679,664

DATE: 07/10/2002

TIME: 11:06:29

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07102002\I679664.raw

## Use of n's or Xaa's(NEW RULES):

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Use of <220> to <223> is MANDATORY if n's or Xaa's are present.
in <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

Seq#:4; Xaa Pos. 13

Seq#:21; N Pos. 38

Seq#:40; N Pos. 3178,3179,3180,3181,3182,3183,3184,3185,3186,3187,3188,3189

 $\mathtt{Seq\#:40;\ N\ Pos.\ 3190,3191,3192,3193,3194,3195,3196,3197,3198,3199,3200,3201}$ 

 $\mathtt{Seq\#:40;\ N\ Pos.\ 3202,3203,3204,3205,3206,3207,3208,3209,3210,3211,3212,3213}$ 

Seq#:40; N Pos. 3214,3215,3216,3217,3218,3219,3220,3221,3222,3223,3224,3225

 $\mathtt{Seq\#:40;\ N\ Pos.\ 3226,3227,3228,3229,3230,3231,3232,3233,3234,3235,3236,3237}$ 

Seq#:40; N Pos. 3238,3239,3240

Seq#:45; Xaa Pos. 464

Seq#:50; Xaa Pos. 379

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/679,664

DATE: 07/10/2002 TIME: 11:06:29

Input Set : A:\Pto.amc

Output Set: N:\CRF3\07102002\1679664.raw

L:397 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:4 L:397 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0 L:1679 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0 L:4660 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:3120 L:4662 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:3180 L:5399 M:283 W: Missing Blank Line separator, <220> field identifier L:5642 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:448 L:6805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:368